

Amendments to the Specification:

Please replace the paragraph beginning on page 349, line 6 of the specification with the following, amended paragraph:

~~(3R*,4S*) 7-chloro-2,2,9-trimethyl-4-[2-(1-pyrazolylethyl)amino]-3,4-dihydro-2H-pyrano[2,3-g]quinolin-3-ol~~

(3R*,4S*)-4-[2-(1H-pyrazol-1-yl)ethylamino]-7-chloro-2,2,9-trimethyl-3,4-dihydro-2H-pyrano[2,3-g]quinolin-3-ol

Please replace the paragraph beginning on page 360, line 24 with the following, amended paragraph:

~~(3R*,4S*) 7,7-dimethyl-9-[(2-phenylethyl)amino]-8,9-dihydro-7H-pyrano[2,3-g]quinoxalin-8-ol 1 maleate~~

(8R*,9S*)-7,7-dimethyl-9-[(2-phenylethyl)amino]-8,9-dihydro-7H-pyrano[2,3-g]quinoxalin-8-ol 1 maleate

Please replace the paragraph beginning on page 361, line 15 with the following, amended paragraph:

~~(3R*,4S*) 7,7-dimethyl-9-[(2-phenylethyl)amino]-8,9-dihydro-7H-pyrano[2,3-g]quinoxalin-8-ol~~

(8R*,9S*)-7,7-dimethyl-9-[(2-phenylethyl)amino]-8,9-dihydro-7H-pyrano[2,3-g]quinoxalin-8-ol

Please replace the paragraph beginning on page 362, line 4 with the following,

amended paragraph:

~~(3R*,4S*) 7,7-dimethyl-9-[(2-phenylethyl)amino]-8,9-dihydro-7H-pyrano[2,3-g]quinoxalin-8-ol-1-maleate~~

(8R*,9S*)-7,7-dimethyl-9-[(2-phenylethyl)amino]-8,9-dihydro-7H-pyrano[2,3-g]quinoxalin-8-ol-1-maleate

Please replace the paragraph beginning on page 362, line 7 with the following,

amended paragraph:

~~(3R*,4S*) 7,7-dimethyl-9-[(2-phenylethyl)amino]-8,9-dihydro-7H-pyrano[2,3-g]quinoxalin-8-ol~~

(8R*,9S*)-7,7-dimethyl-9-[(2-phenylethyl)amino]-8,9-dihydro-7H-pyrano[2,3-g]quinoxalin-

8-ol (1.18 g, 3.38 mmol) in ethyl acetate (22 mL), maleic acid (471 mg, 4.06 mmol) was

added at room temperature, and the resulting mixture was stirred for 10 minutes. Upon the completion of the reaction, solid product was filtered off, washed with ethyl acetate and dried to obtain the aimed product (yield: 61%).

Pale gray crystal

Please replace the paragraph beginning on page 362, line 19 with the following,

amended paragraph:

~~(3R*,4S*) 4-[[2-(2-fluorophenyl)ethyl]amino]-2,2-dimethyl-3,4-dihydro-2H-pyrano[2,3-g]quinoxalin-3-ol hydrochloride~~

(8R*,9S*)-9-[[2-(2-fluorophenyl)ethyl]amino]-7,7-dimethyl-8,9-dihydro-7H-pyrano[2,3-g]quinoxalin-8-ol hydrochloride

Please replace the paragraph beginning on page 363, line 6 with the following,

amended paragraph:

~~(3R*,4S*) 4-{{2-(2-fluorophenyl)ethyl}amino}-2,2-dimethyl-3,4-dihydro-2H-pyrano[2,3-g]quinoxalin-3-ol~~

(8R*,9S*)-9-{{2-(2-fluorophenyl)ethyl}amino}-7,7-dimethyl-8,9-dihydro-7H-pyrano[2,3-g]quinoxalin-3-ol

Please replace the paragraph beginning on page 363, line 17 with the following,

amended paragraph:

~~(3R*,4S*) 4-{{2-(2-fluorophenyl)ethyl}amino}-2,2-dimethyl-3,4-dihydro-2H-pyrano[2,3-g]quinoxalin-3-ol hydrochloride~~

(8R*,9S*)-9-{{2-(2-fluorophenyl)ethyl}amino}-7,7-dimethyl-8,9-dihydro-7H-pyrano[2,3-g]quinoxalin-3-ol hydrochloride

Please replace the paragraph beginning on page 363, line 24 with the following,

amended paragraph:

~~(3R*,4S*) 9-{{2-(4-fluorophenyl)ethyl}amino}-7,7-dimethyl-8,9-dihydro-7H-pyrano[2,3-g]quinoxalin-8-ol hydrochloride~~

(8R*,9S*)-9-{{2-(4-fluorophenyl)ethyl}amino}-7,7-dimethyl-8,9-dihydro-7H-pyrano[2,3-g]quinoxalin-8-ol hydrochloride

Please replace the paragraph beginning on page 364, line 12 with the following,

amended paragraph:

~~(3R*,4S*)-9-([2-(4-fluorophenyl)ethyl]amino)-7,7-dimethyl-8,9-dihydro-7H-pyrano[2,3-g]quinoxalin-8-ol~~

(8R*,9S*)-9-[2-(4-fluorophenyl)ethyl]amino-7,7-dimethyl-8,9-dihydro-7H-pyrano[2,3-g]quinoxalin-8-ol

Please replace the paragraph beginning on page 364, line 22 with the following,

amended paragraph:

~~(8R*,9S*)-9-([2-(4-fluorophenyl)ethyl]amino)-7,7-dimethyl-8,9-dihydro-7H-pyrano[2,3-g]quinoxalin-8-ol hydrochloride~~

(8R*,9S*)-9-[2-(4-fluorophenyl)ethyl]amino-7,7-dimethyl-8,9-dihydro-7H-pyrano[2,3-g]quinoxalin-8-ol hydrochloride

Please replace the paragraph beginning on page 365, line 2 with the following,

amended paragraph:

~~(3R*,4S*)-4-[(2-hydroxy-2-phenylethyl)amino]-2,2-dimethyl-3,4-dihydro-2H-pyrano[2,3-g]quinoxalin-3-ol~~

(8R*,9S*)-9-[(2-hydroxy-2-phenylethyl)amino]-7,7-dimethyl-8,9-dihydro-7H-pyrano[2,3-g]quinoxalin-8-ol

Please replace the paragraph beginning on page 365, line 18 with the following,

amended paragraph:

~~(3R*,4S*) 4-[(2-hydroxy-2-phenylethyl)amino]-2,2-dimethyl-3,4-dihydro-2H-pyrano[2,3-g]quinoxalin-3-ol~~

(8R*,9S*)-9-[(2-hydroxy-2-phenylethyl)amino]-7,7-dimethyl-8,9-dihydro-7H-pyrano[2,3-g]quinoxalin-8-ol

Please replace the paragraph beginning on page 366, line 2 with the following,

amended paragraph:

~~(3R*,4S*) 2,2-dimethyl-4-pentylamino-3,4-dihydro-2H-pyrano[2,3-g]quinoxalin-3-ol~~
hydrochloride

(8R*,9S*)-7,7-dimethyl-9-(pentylamino)-8,9-dihydro-7H-pyrano[2,3-g]quinoxalin-8-ol
hydrochloride

Please replace the paragraph beginning on page 366, line 16 with the following,

amended line:

~~(3R*,4S*) 2,2-dimethyl-4-pentylamino-3,4-dihydro-2H-pyrano[2,3-g]quinoxalin-3-ol~~

(8R*,9S*)-7,7-dimethyl-9-(pentylamino)-8,9-dihydro-2H-pyrano[2,3-g]quinoxalin-8-ol

Please replace the paragraph beginning on page 366, line 25 with the following,

amended paragraph:

~~(3R*,4S*) 2,2-dimethyl-4-pentylamino-3,4-dihydro-2H-pyrano[2,3-g]quinoxalin-3-ol~~
hydrochloride

(8R*,9S*)-7,7-dimethyl-9-(pentylamino)-8,9-dihydro-2H-pyrano[2,3-g]quinoxalin-8-ol
hydrochloride

Please replace the paragraph beginning on page 367, line 8 with the following,
amended paragraph:

~~(3R*,4S*)-2,2,7,8-tetramethyl-4-[(2-phenylethyl)amino]-3,4-dihydro-2H-pyrano[2,3-
g]quinoxalin-3-ol maleate~~

(8R*,9S*)-2,3,7,7-tetramethyl-9-[(2-phenylethyl)amino]-8,9-dihydro-7H-pyrano[2,3-
g]quinoxalin-8-ol maleate

Please replace the paragraph beginning on page 367, line 14 with the following,
amended paragraph:

~~3R*,4S*)-2,2,7,8-tetramethyl-4-[(2-phenylethyl)amino]-3,4-dihydro-2H-pyrano[2,3-
g]quinoxalin-3-ol~~

(8R*,9S*)-2,3,7,7-tetramethyl-9-[(2-phenylethyl)amino]-8,9-dihydro-7H-pyrano[2,3-
g]quinoxalin-8-ol

Please replace the paragraph beginning on page 367, line 26 with the following,
amended paragraph:

~~(3R*,4S*)-7,8-diethyl-2,2-dimethyl-4-[(2-phenylethyl)amino]-3,4-dihydro-2H-pyrano[2,3-
g]quinoxalin-3-ol~~

(8R*,9S*)-2,3-diethyl-7,7-dimethyl-9-[(2-phenylethyl)amino]-8,9-dihydro-7H-pyrano[2,3-
g]quinoxalin-8-ol

Please replace the paragraph beginning on page 368, line 12 with the following,
amended paragraph:

~~(3R*,4S*)-2,2,8-trimethyl-7-phenyl-4-[(2-phenylethyl)amino]-3,4-dihydro-2H-pyrano[2,3-
g]quinoxalin-3-ol~~
(8R*,9S*)-3,7,7-trimethyl-9-[(2-phenylethyl)amino]-2-phenyl-8,9-dihydro-7H-pyrano[2,3-
g]quinoxalin-8-ol

Please replace the paragraph beginning on page 368, line 25 with the following,
amended paragraph:

~~(3R*,4S*)-2,2,7-trimethyl-8-phenyl-4-[(2-phenylethyl)amino]-3,4-dihydro-2H-pyrano[2,3-
g]quinoxalin-3-ol~~
(8R*,9S*)-2,7,7-trimethyl-9-[(2-phenylethyl)amino]-3-phenyl-8,9-dihydro-7H-pyrano[2,3-
g]quinoxalin-8-ol

Please replace the paragraph beginning on page 369, line 11 with the following,
amended paragraph:

~~(3R*,4S*)-2,2,8-trimethyl-4-[(2-phenylethyl)amino]-3,4-dihydro-2H-pyrano[2,3-
g]quinoxalin-3-ol 1 maleate~~
(8R*,9S*)-3,7,7-trimethyl-9-[(2-phenylethyl)amino]-8,9-dihydro-7H-pyrano[2,3-
g]quinoxalin-8-ol 1 maleate

Please replace the paragraph beginning on page 369, line 16 with the following,

amended paragraph:

~~(3R*,4S*)-2,2,8-trimethyl-4-[(2-phenylethyl)amino]-3,4-dihydro-2H-pyrano[2,3-g]quinoxalin-3-ol~~
(8R*,9S*)-3,7,7-trimethyl-9-[(2-phenylethyl)amino]-8,9-dihydro-7H-pyrano[2,3-g]quinoxalin-8-ol

Please replace the paragraph beginning on page 370, line 5 with the following,

amended paragraph:

~~(3R*,4S*)-4-[(2-cyclohexylethyl)amino]-2,2-dimethyl-3,4-dihydro-2H-pyrano[2,3-g]quinoxalin-3-ol hydrochloride~~
(8R*,9S*)-9-[(2-cyclohexylethyl)amino]-7,7-dimethyl-8,9-dihydro-7H-pyrano[2,3-g]quinoxalin-8-ol hydrochloride

Please replace the paragraph beginning on page 370, line 8 with the following,

amended paragraph:

~~(3R*,4S*)-4-amino-2,2-dimethyl-3,4-dihydro-2H-pyrano[2,3-g]quinoxalin-3-ol~~
(8R*,9S*)-9-amino-7,7-dimethyl-8,9-dihydro-7H-pyrano[2,3-g]quinoxalin-8-ol

Please replace the paragraph beginning on page 370, line 26 with the following,

amended paragraph:

~~(3R*,4S*)-4-[(2-cyclohexylethyl)amino]-2,2-dimethyl-3,4-dihydro-2H-pyrano[2,3-g]quinoxalin-3-ol~~
(8R*,9S*)-9-[(2-cyclohexylethyl)amino]-7,7-dimethyl-8,9-dihydro-7H-pyrano[2,3-g]quinoxalin-8-ol

Please replace the paragraph beginning on page 371, line 3 with the following,

amended paragraph:

~~(4R*,4S*) 4-amino-2,2-dimethyl-3,4-dihydro-2H-pyrano[2,3-g]quinoxalin-3-ol~~
(8R*,9S*)-9-amino-7,7-dimethyl-8,9-dihydro-7H-pyrano[2,3-g]quinoxalin-8-ol (100 mg, 0.408 mmol) in methanol (2 mL), cyclohexylmethyl aldehyde (103 mg, 0.816 mmol) was added, and the resulting mixture was stirred at room temperature for 20 minutes. Sodium cyanoborohydride (51 mg, 0.816 mmol) was added thereto, and the resulting mixture was stirred at room temperature for 1 hour. Upon the completion of the reaction, saturated sodium hydrogencarbonate aqueous solution was added thereto, the resulting solution was extracted with ethyl acetate, washed with saturated sodium chloride solution, and dried over magnesium sulfate and concentrated. The resulting mixture was purified by silica gel column (hexane/ethyl acetate = 2/1) to obtain the aimed product (yield: 48%).

Please replace the paragraph beginning on page 371, line 19 with the following,

amended paragraph:

~~(3R*,4S*) 4-[(2-cyclohexylethyl)amino]-2,2-dimethyl-3,4-dihydro-2H-pyrano[2,3-g]quinoxalin-3-ol hydrochloride~~
(8R*,9S*)-9-[(2-cyclohexylethyl)amino]-7,7-dimethyl-8,9-dihydro-7H-pyrano[2,3-g]quinoxalin-8-ol hydrochloride

Please replace the paragraph beginning on page 371, line 28 with the following,

amended paragraph:

~~(±)-trans-3-hydroxy-2,2-dimethyl-4-[(2-phenylethyl)amino]-2,3,4,6-tetrahydro-pyrano[2,3-~~

~~f]benzimidazol-7-one~~

(±)-trans-7-hydroxy-6,6-dimethyl-8-[(2-phenylethyl)amino]-3,6,7,8-tetrahydrochromeno[7,6-

d]imidazol-2(1H)-one